

ABSTRACT

5 In a method for manufacturing grain-oriented silicon
steel with mirror-like surface by applying an aqueous
slurry of an annealing separator, magnetic properties are
stabilized by controlling the amount of moisture, carried
in the annealing separator consisting mainly of alumina
after application and drying thereof, to not more than
1.5%, controlling the partial water vapor pressure during
10 finish-annealing and eliminating the variation
(instability) in secondary recrystallization caused by
the inhibitor reaction at the interface.